
11. Typing Test

Program Name: TypingTest.java

Input File: typingtest.dat

Cole Mak is a slower typist than his friend Dvorak. He wants to improve his typing speed. Help him out by writing a program that measures his speed in words per minute (WPM).

Input

The first line of input contains a single positive integer, n , indicating the number of typing tests that Cole takes. Each typing test will be represented by a single line consisting of a number, t , followed by one or more space-separated words, where t is the number of seconds it took Cole to type out those words.

Consider a word to be a sequence of characters separated by spaces. For example, “dog” and “dog.” are both single words (note the period on the end of the second), but “The Hulk” is two words.

Output

For each typing test, print on a single line the number of words per minute Cole typed, rounded to the nearest integer, with units of WPM.

Constraints

1 $\leq n \leq 10$
1 $\leq t \leq 10000$
1 $\leq (\text{length of a word}) \leq 15$
1 $\leq (\text{total number of words}) \leq 10000$

Example Input File

```
2
9 The quick brown fox jumped over the lazy dog
8 This is the story of a girl who cried a river and drowned the whole world.
```

Example Output to Screen

```
60 WPM
120 WPM
```